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REPORT

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COUNTRY Austria
SUBJECT Economic - Electric power, imports and exports
HOW PUBLISHED Monthly periodical
WHERE PUBLISHED Vienna
DATE PUBLISHED Aug 1950
LANGUAGE German
DATE OF INFORMATION 1950
DATE DIST. 25 Feb 1952
NO. OF PAGES 2
SUPPLEMENT TO REPORT NO.

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SOURCE Oesterreichische Zeitschrift fuer Elektrizitaetswirtschaft, Vol III, No 8, 1950.

IMPORT AND EXPORT OF ELECTRIC POWER IN AUSTRIA

O. Ruiss and O. Vas

The following information is taken from a report of the Austrian National Committee given at the Fourth World Power Conference in London in 1949, and entitled "The Sources and Development of Austria's Supply of Energy." The report was compiled by O. Ruiss and O. Vas and was reprinted in condensed form in Oesterreichische Zeitschrift fuer Elektrizitaetswirtschaft, Vol III, No 8, Vienna, August 1950.

Major changes have occurred in the export of electric power from Austria. Germany is no longer, as before the war, the sole consumer of power exported from Austria, although she is still the largest. Austria now exports electric power to all her neighboring states.

It is noteworthy that under the Treaty of 1947 Austria no longer unilaterally exports power from the Tyrol and Vorarlberg to Germany but now receives electric power from the German network for her own "Verbund" network (combined power supply system) during the winter half year. Thus, an exchange of electric power favorable to Austria in the winter months has replaced mere power export, and through this the power deficit in the eastern part of the country has been markedly lowered, although not completely eliminated.

In addition to this, important quantities of hydroelectric power will be made available to the European economy as a whole through the construction of plants for the export of power in Vorarlberg, and in western and eastern Tyrol (see Table 1).

Data on projected plants for the export of power are listed in Table 1. Data on the Austrian export and import of electric power for 1937, 1946, 1947, 1948, and the first half of 1949 are listed in Tables 2 and 3.

The power imported from Hungary has been so little that figures for it have not been given in Table 3.

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Table 1. Projected Austrian Export Power Plants

<u>Project</u>	<u>Construction Time (yr.)</u>	<u>Capacity (1,000 kw)</u>	<u>Normal Annual Output (million kw-h)</u>
Luenersee	3	156	213
Oetzal	8	373	1,125
Oberer Inn	6	392	1,609
Osttirol (Eastern Tyrol)	<u>9</u>	<u>430</u>	<u>1,205</u>
Total		1,351	4,152

Table 2. Austrian Export of Electric Power (in 1,000 kw-h)

<u>To</u>	<u>1937</u>	<u>1946</u>	<u>1947</u>	<u>1948</u>	<u>First Half of 1949</u>
Germany	412,997	751,417	589,949	909,184	229,067
Switzerland	--	--	20	137	90
Liechtenstein	--	3,215	4,927	5,013	2,949
Italy	--	--	42,290	10,095	--
Czechoslovakia	--	8,455	6,587	440	150
Yugoslavia	--	616	74	162	6
Total export	412,997	763,703	643,847	925,001	232,262
Percentage of total produc- tion	14	21	16	18	

Table 3. Austrian Import of Electric Power (in 1,000 kw-h)

<u>From</u>	<u>1937</u>	<u>1946</u>	<u>1947</u>	<u>1948</u>	<u>First Half of 1949</u>
Germany	2,065	16,825	79,143	151,432	78,400
Switzerland	--	--	10	127	310
Czechoslovakia	--	58	--	240	--
Yugoslavia	--	<u>1,965</u>	<u>864</u>	<u>470</u>	<u>230</u>
Total import	2,065	18,848	80,017	152,269	78,940

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